

Good Evening:

Attached and below is the most recent Pollution Report (POLREP) regarding:

USEPA Region II
Niagara Falls Boulevard Radiological Site
9524-9540 Niagara Falls Boulevard, Niagara Falls, NY

Regards,

Eric M. Daly
On-Scene Coordinator/Radiological Response Specialist
US Environmental Protection Agency- Region II
ERRD/RPB/PPS
2890 Woodbridge Avenue
Edison, NJ 08837
daly.eric@epa.gov
732-321-4350

From July 14, 2016 through August 22, 2016 the following tasks/events occurred:

- ☐ On July 14, 2016, the deputy division director verbally authorized \$500,000 in mitigation funding.
- ☐ OSC Daly, HP Nguyen, Weston (3) and Guardian (RM, FCA, 2 Operators and 3 Techs) mobilized to Site on August 1, 2016.
- ☐ GNBC Front Office-The construction of a new storage room in the GNBC building was completed. All business materials/showroom samples were relocated to that new room. The deconstruction of the front office and removal of the concrete flooring was completed. Excavation of the contaminated layer of asphalt/slag continued through this time range. This material was placed in cubic yard boxes and sealed within the office area. Then the boxes were swiped for removable contamination prior to leaving the decon area and transported to the storage container. Approximately 40 cubic yards of material has been removed from the GNBC Front Office at the time of this report.
- ☐ Preparation of Area 5 for excavation has commenced.
- ☐ On August 8, 2016, Niagara County Health Department representatives visited the Site.
- ☐ On August 16, 2016, OSC Daly contacted the City of Niagara Code of Enforcement to initiate meeting regarding the GNBC Office rebuild.

- On August 17, 2016, USEPA held a phone conference with NYSDEC regarding disposal of concrete at NYS landfill.

Anticipated Activities:

- The crew will stabilize the GNBC Office structure due to inefficient roof support. Weston structural engineer has determined that the support for the roof was not up to code and therefore additional support poles will be installed.
- The crew will complete excavation and staging of contaminated material from the GNBC Office structure.
- Once the excavation of the contaminated layer in GNBC Office is completed, gamma survey of the excavated footprint will be conducted. Once the health physicist determines area passes gamma criteria, soil samples will be collected from the footprint for analysis. The lab analytical takes approximately four weeks for preliminary results. Once laboratory results are received and evaluated, it will be determined if backfilling with clean material can commence. Once backfilled, the concrete floor will be poured and the room constructed.
- A High-purity Germanium (HPGe) Detector is tentatively scheduled to be mobilized to the Site the week of September 7, 2016. This will provide the technical team an “on-site lab” in which they can run soil samples in the field and allow the crew to backfill in a shorter period of time.
- The next proposed area for outside excavation will be the western wooded area near the Rapids Bowling Alley (Area 5). This is a remote area of the property and will allow the least amount of interference to the business operations/patrons. Once on-site lab set up and personnel trained, excavation of more sensitive areas will commence in coordination with business operators.
- GES will finalize bid for transport and disposal of contaminated material.
- USEPA has been coordinating with NYS, Niagara County and local representatives throughout the assessment/removal process.

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Niagara Falls Boulevard Site-OSC Daly

From August 23, 2016 through September 27, 2016 the following tasks/events occurred:

- ☐ GNBC Front Office-Excavation of the contaminated layer of asphalt/slag was removed. This material was placed in cubic yard boxes or cubic yard super sacks. Approximately 115 cubic yard boxes/super sacks of material has been removed from the GNBC Front Office and relocated to secured containers at the time of this report.
- ☐ Removal of trees/vegetation from Area 5 continued through this time range and the tree/vegetation removal in Areas 1, 4 and 7 was initiated.
- ☐ On August 25, 2016, background soil area at northern Weber property gamma surveyed. The City of Niagara Falls Code Enforcement Officials visited the site and conducted initial walkthrough in GNBC Office Area in preparation for office area rebuild (electrical/plumbing/etc. permit compliance). Weston to subcontract architect for blueprints. C&D roll off with GNBC concrete transported off-site.
- ☐ On August 30, 2016, the NFB Action Memo was sent electronically to Tim Grier (HQ) from RAB Management.
- ☐ September 7th through 14th: Dave Kappelman (ERT) mobilized a High-Purity Germanium (HPGe) Detector to the Site. This was staged in the instrument trailer along with accessories. Dave will set up, perform

calibration/QC on the instrument and eventually train staff on the instrument. Hot spots in GNBC Office Area identified and further excavation of material was needed. Utility mark out and core sampling conducted in First Assembly Church garage and GNBC ST-5 in preparation of pulling soil samples for analysis.

- On September 13th, EPA HQ consulted with Region 02 enforcement team. OSRE is comfortable with the region moving forward on this case. They consider the consultation to be complete. OSC Daly had phone conference with Site attorney regarding post removal site control language in the action memo. No site controls needed for this action. The paragraph was revised in the action memo and the document electronically forwarded to Tim Grier, ORC and RPB/RAB Management for final concurrence. The T&D bid responses were received for analysis.
- On September 14th, tree removal/vegetation removal was initiated in Areas 1 and 4. Core drilling was conducted in First Assembly Church garage and GNBC ST-5.
- On September 15th, soil samples obtained from GNBC to test run on Germanium Instrument. Soil samples were collected from First Assembly Church garage. Joe Rotola and Dan Harkay (EPA R2 RAB Management) visited the site. The large stump grinder mobilized on site.
- OSC Jimenez removal oversight from September 18th through September 23rd. Soil samples were obtained from GNBC ST-5, grinding of tree stumps in Areas 1, 4 and 5 has commenced, and a conference call was held with Weston IT for initial scoping of Site Viewer.
- On September 20th, GES conducted additional excavation of soil “hot spots” in GNBC Office Area. Weston gamma surveyed these specific areas and collected soil samples. The gamma data and soil sample analytical results will be compared to identify relationship between counts (cpm) and activity (pCi/g). The soil samples will be analyzed on-site by HPGe Detector as well as sent out to the certified lab. So the relationship between the on-site and off-site labs will also be evaluated.
- On September 21st, freelance reporter Lou Ricciuti visited the site and was given an update on site activities by OSC Jimenez and HP Nguyen.
- On September 22nd and 23rd, post excavation soil samples were collected by Weston as per health physicist guidance. A total of 18 sample points were identified. These samples will be initially held until analysis by HPGe Detector is completed. The samples will be shipped to a certified laboratory if on-site analytical results pass HP established criteria.

- ☐ On September 27th, OSC was informed that the NFB Action Memo is in the OLEM immediate office and finalization is expected shortly. The subcontract for transport and disposal was granted by USEPA Region 02 Contractor Officer.

Response Actions to Date

- ☐ Approximately 115 cubic yard boxes/super sacks of material has been removed from the GNBC Front Office and relocated to secured containers at the time of this report.

Anticipated Activities:

- ☐ Signing of action memo and additional funding allocation to continue the removal action.
- ☐ Review of architect blueprint for proposed rebuild of GNBC Office Area.
- ☐ Once soil sampling results are evaluated by the health physicists, it will be determined if backfilling with clean material can commence. Once backfilled, the concrete floor will be poured and the room constructed.
- ☐ Stump removal will continue in Areas 1, 4, 5 and 7.
- ☐ Soil sample certified analytical results for GNBC Office area, First Assembly Church garage and GNBC ST-5.
- ☐ GES award bid for transport and disposal of contaminated material once additional funding received.
- ☐ USEPA has been coordinating with NYS, Niagara County and local representatives throughout the assessment/removal process.

Personnel On-Site:

OSC Daly

OSC Jimenez

Health Physicist Lyndsey Nguyen

Health Physicist Dave Kappelman

Weston: One Lead and Two Technician

Guardian: RM, FCA, 2 Operators, 3 Techs

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Niagara Falls Boulevard Site-OSC Daly

From September 28, 2016 through October 22, 2016 the following tasks/events occurred:

- ☐ On September 28, 2016, the Niagara Falls Boulevard Site Action Memo was signed by EPA Headquarters Office.
- ☐ On September 29, 2016, \$950,000 funding increase was received and applied to mitigation cost. All tree removal and stump grinding completed.
- ☐ OSC Jimenez overseeing removal operations at Site from October 3rd through October 7th.
- ☐ US Ecology was awarded the transport and disposal bid.
- ☐ An architect is needed to create blueprints for restoration of the GNBC Office Area. The bid was sent out to perspective architects on October 3, 2016. On October 11, 2016, representatives from four architect firms were given tour of GNBC Office Area. The bid responses were received on October 18th and October 19th the bid was awarded. The deadline for the blueprint is November 16th.
- ☐ Excavation has commenced in Area 5. Material is being separated by concentration. The higher concentration material is currently being put into cubic yard super sacks and stored in Conex Boxes.

- The High-Purity Germanium (HPGe) Detector is being utilized to analyze site soil samples in order to determine soil concentrations for operation planning.
- Selective samples are being sent out to the certified laboratory.
- Weston continues to push data layers to Weston IT lead for putting up on Site Viewer.
- OSC, EPA ERT health physicists and US Ecology held several meetings regarding the site disposal strategy proposal in reference to the facilities acceptance criteria. The draft proposal was sent to US Ecology on October 20, 2016.

Response Actions to Date

- To date, approximately 116 cubic yard boxes/super sacks of material have been removed from the GNBC Front Office and 107 cubic yard bags have been removed from Area 5. All material has currently been staged inside secured containers awaiting disposal strategy approval.

Anticipated Activities:

- Review of architect blueprint for proposed rebuild of GNBC Office Area after bids are received.
- Once blueprints of GNBC Office Area are approved, subcontracting of electrical and plumbing work will be initiated.
- Once soil sampling results for the GNBC Office Area are evaluated by the EPA ERT health physicists, it will be determined if backfilling with clean material can commence. Once utilities are installed, the area will be backfilled and the concrete floor will be poured.
- GNBC Office Area framing, sheetrock and overall rebuild.
- Certified analytical results are expected for soil samples from GNBC Office area, First Assembly Church garage and GNBC ST-5.
- USEPA has been coordinating with NYS, Niagara County, and local representatives throughout the assessment/removal process.

Personnel On-Site:

OSC Daly

OSC Jimenez

OSC Pellegrino

EPA ERT Health Physicist Lyndsey Nguyen

EPA ERT Health Physicist Dave Kappelman

Weston: One Lead and Two Technician

Guardian: RM, FCA, Two Operators and Three Techs

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Niagara Falls Boulevard Site-OSC Daly

From October 23, 2016 through December 16, 2016 the following tasks/events occurred:

- ☐ On October 27, 2016, the soil sample results were received for the First Assembly of God Church garage. All samples came back at background levels. No elevated gamma survey readings were observed in the church parking lot, surrounding the garage or inside the garage.
- ☐ On November 04, 2016, NYS DEC representatives, Tim Rice and Ken Martin, visited the Site.
- ☐ OSC, EPA ERT health physicists (Nguyen & Kappelman), GES, Weston and US Ecology held several meetings regarding the site disposal strategy proposal in reference to the facilities acceptance criteria. On November 17, 2016, US Ecology accepted the NFB Site overall disposal proposal and the specific disposal proposal for GNBC Office Area. However, TCLP data was required.
- ☐ On November 30, 2016, the Pace Lab preliminary soil data for Areas 1, 5 & 7 was received.
- ☐ On December 05, 2016, funding request submitted to RPB & RAB management.
- ☐ Excavation of the identified footprint in Area 5 was completed on December 12, 2016. Material has been separated by concentration. TCLP data was received for GNBC Office Area and Area 5. All results were under TCLP action limits.
- ☐ The architect blueprint for GNBC Office Area was finalized on December 13, 2016. Clean rock fill was transported to the site and stage in Area 5. In total, 30 trucks delivered 1,060.20 tons.

- ☐ On December 14, 2016, clean rock fill was transported to the site and stage in Area 5. In total, 34 trucks delivered 1,243.37 tons. Dan Telvock (Investigative Press) interviewed OSC Daly on camera. Mike Basile (US EPA Public Affairs) and Lyndsey Nguyen (ERT Health Physicists) were also interviewed off camera.
- ☐ On December 15, 2016, three trucks transported material from GNBC Office Area to US Ecology in Michigan.
- ☐ On December 16, 2016, the Area 5 Medium Concentration Material disposal proposal was approved by US Ecology.
- ☐ The High-Purity Germanium (HPGe) Detector is being utilized to analyze site soil samples in order to determine soil concentrations for operation planning.

Response Actions to Date

- ☐ To date, approximately 2,487 cubic yards (3,730.80 tons) of material has been removed from the GNBC Front Office and Area 5. All material has currently been staged awaiting disposal.
- ☐ Approximately, 58.5 tons of material (From GNBC Office Area) has been shipped off site to US Ecology in Michigan.

Anticipated Activities:

- ☐ On December 19, 2016, the GNBC Office Area blueprints to be submitted to the City of Niagara Code Enforcement Office to initiate permit process.
- ☐ Backfilling of GNBC Office Area and Area 5 with clean material.
- ☐ Rebuild of GNBC Office Area once permits approved.
- ☐ Initiation of transport & disposal of Area 5 Medium Concentration Material on December 19, 2016.
- ☐ USEPA has been coordinating with NYS, Niagara County, and local representatives throughout the assessment/removal process.

Personnel On-Site:

OSC Daly

OSC Pellegrino

EPA ERT Health Physicist Lyndsey Nguyen

EPA ERT Health Physicist Dave Kappelman

Weston: One Lead and Two Technician

Guardian: RM, FCA, Two Operators and Three Techs

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Niagara Falls Boulevard Site-OSC Daly/OSC Pellegrino

From December 17, 2016 through January 28, 2017 the following tasks/events occurred:

Starting on December 13, 2016, the excavated radioactive waste material from Niagara Falls Boulevard Site has been shipped to US Ecology in Michigan. Throughout the current time range, EPA, Weston and GES continued to manage and stage the material for transport off-site. This included blending the material as per Health Physicist Nguyen methodology in order to meet US Ecology acceptance criteria. All the material removed from the GNBC Office Area has been transported properly off-site. As of January 25, 2017, all material from Area 5 that was excavated and temporarily relocated to a secured non-containerized staging area on-site has been properly transported to US Ecology. The remaining material that was excavated from Area 5 has been stored in super sacks, labeled, weighed and stored inside secured Conex Containers on-site awaiting future disposal.

On January 09, 2017, \$435,000.00 was authorized in mitigation funding.

On January 10, 2017, HP Nguyen's blending proposal for GNBC Office Area Boxes and Medium Concentration was approved by US Ecology.

The City of Niagara Falls approved the blue print plans for the GNBC Office Area construction. The GES bid for construction contractor was sent out on January 11, 2017. The Pre-Bid Site Visit was conducted on January 17, 2017. The proposal responses were turned into GES close of business on January 26, 2017.

The trees that were removed from Area 5 during the excavation were labeled and staged. Those trees will now be gamma scanned and sampled prior to being removed off-site.

The High-Purity Germanium (HPGe) Detector continues to be utilized to analyze site soil samples in order to determine soil concentrations for operational planning.

Response Actions to Date

To date, approximately 107 tons of material has been removed from the GNBC Front Office Area and approximately 4,442.07? tons of material has been excavated from Area 5.

All of the material from the GNBC Office Area has been shipped off site to US Ecology in Michigan.

Approximately, 3,706.74 tons of material from Area 5 has been shipped off site to US Ecology in Michigan.

Anticipated Activities:

Awarding of subcontractor construction bid.

Backfilling of GNBC Office Area and Area 5 with clean material.

Rebuild of GNBC Office Area once permits approved.

Interview with Reporter Dan Telvock

Gamma scan and sampling of Area 5 Trees.

USEPA has been coordinating with NYS, Niagara County, and local representatives throughout the assessment/removal process.

Personnel On-Site:

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OSC Pellegrino

EPA ERT Health Physicist Lyndsey Nguyen

EPA ERT Health Physicist Dave Kappelman

Weston: One Lead and One Technician

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Progress Metrics

Manifest #	Date Shipped	Quantity	Units	Waste Description	Waste Code	Method of Disposal	Disposal Facility
016689001	12/15/2016	18.98	Tons	GNBC Office Area radioactive material	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689002	12/15/2016	19.22	Tons	GNBC Office Area radioactive material	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689003	12/15/2016	18.34	Tons	GNBC Office Area radioactive material	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689004	12/19/2016	23.93	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689005	12/19/2016	24.00	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689006	12/19/2016	24.16	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689007	12/19/2016	23.79	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689008	12/19/2016	24.36	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689009	12/19/2016	24.60	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689010	12/19/2016	22.18	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689011	12/19/2016	24.66	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689012	12/19/2016	23.82	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689013	12/19/2016	22.48	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689014	12/20/2016	24.21	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689015	12/20/2016	19.97	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689016	12/20/2016	22.73	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689017	12/20/2016	23.47	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689018	12/20/2016	24.78	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689019	12/20/2016	22.69	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689020	12/20/2016	23.53	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689021	12/20/2016	22.79	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689022	12/20/2016	21.72	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689023	12/20/2016	21.05	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689024	12/21/2016	20.53	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689025	12/21/2016	22.31	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689026	12/21/2016	23.95	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689027	12/21/2016	23.74	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689028	12/21/16	22.52	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689029	12/21/2016	22.32	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689030	12/21/2016	24.18	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689031	12/21/2016	22.84	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689032	12/21/2016	22.84	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689033	12/21/2016	23.51	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689034	1/5/2017	21.56	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689035	1/5/2017	22.10	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689036	1/5/2017	21.20	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689037	1/5/2017	19.88	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689038	1/5/2017	22.16	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689039	1/5/2017	20.78	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689040	1/5/2017	22.79	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689041	1/5/2017	22.03	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689042	1/5/2017	22.85	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689043	1/5/2017	21.80	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689044	1/6/2017	21.97	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689045	1/6/2017	23.07	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689046	1/6/2017	22.50	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689047	1/6/2017	22.70	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689048	1/6/2017	25.37	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689049	1/6/2017	24.98	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689050	1/6/2017	22.76	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689051	1/6/2017	20.57	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689052	1/6/2017	22.70	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689053	1/9/2017	23.44	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689054	1/9/2017	22.73	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689055	1/9/2017	22.70	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689056	1/9/2017	21.36	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689057	1/9/2017	22.48	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689058	1/9/2017	20.26	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689059	1/9/2017	24.69	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689060	1/9/2017	24.35	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689061	1/9/2017	24.13	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689062	1/9/2017	23.07	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689063	1/10/2017	21.04	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689064	1/10/2017	21.25	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689065	1/10/2017	22.43	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689066	1/10/2017	22.26	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689067	1/10/2017	22.41	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689068	1/10/2017	24.15	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689069	1/10/2017	23.78	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689070	1/10/2017	22.73	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689071	1/10/2017	24.47	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689072	1/10/2017	25.22	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689073	1/11/2017	20.44	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689074	1/11/2017	20.89	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689075	1/11/2017	25.58	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689076	1/11/2017	24.12	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689077	1/11/2017	22.02	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689078	1/11/2017	24.14	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689079	1/11/2017	23.55	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689080	1/11/2017	24.02	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689081	1/11/2017	22.68	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689082	1/11/2017	22.73	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689083	1/12/2017	22.79	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689084	1/12/2017	22.66	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689085	1/12/2017	24.17	Tons	Area 5 - Medium Concentration Pile/GNBC Office	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689086	1/12/2017	24.66	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689087	1/12/2017	21.34	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689088	1/12/2017	23.50	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689089	1/12/2017	21.26	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689090	1/12/2017	23.11	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689091	1/12/2017	23.31	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689092	1/12/2017	21.24	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689093	1/13/2017	21.94	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689094	1/13/2017	21.92	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689095	1/13/2017	23.23	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689096	1/13/2017	23.16	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689097	1/13/2017	23.34	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689098	1/13/2017	22.49	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689099	1/13/2017	22.59	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689100	1/13/2017	22.21	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689101	1/13/2017	24.78	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689102	1/13/2017	23.64	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689103	1/17/2017	22.85	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689104	1/17/2017	23.32	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689105	1/17/2017	23.09	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689106	1/17/2017	22.82	Tons	Area 5 - Medium Concentration Pile	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan
016689107	1/17/2017	22.21	Tons	Area 5 - Medium Concentration Pile & High/Low Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology-Michigan

016689108	1/17/2017	24.08	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689109	1/17/2017	23.02	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689110	1/17/2017	24.08	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689111	1/17/2017	23.31	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689112	1/17/2017	22.46	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689113	1/18/2017	23.94	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689114	1/18/2017	22.84	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689115	1/18/2017	23.15	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689116	1/18/2017	21.22	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan

016689117	1/18/2017	22.41	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689118	1/18/2017	22.19	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689119	1/18/2017	19.90	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689120	1/18/2017	23.42	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689121	1/18/2017	22.60	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689122	1/18/2017	23.55	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689123	1/19/2017	21.54	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689124	1/19/2017	22.98	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689125	1/19/2017	21.69	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan

016689126	1/19/2017	22.24	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689127	1/19/2017	24.39	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689128	1/19/2017	25.34	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689129	1/19/2017	21.87	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689130	1/19/2017	21.29	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689131	1/19/2017	23.19	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689132	1/19/2017	24.01	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689133	1/20/2017	22.53	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689134	1/20/2017	21.16	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan

016689135	1/20/2017	23.01	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689136	1/20/2017	21.10	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689137	1/20/2017	22.61	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689138	1/20/2017	23.05	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689139	1/20/2017	23.62	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689140	1/20/2017	23.80	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689141	1/20/2017	22.60	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689142	1/20/2017	23.31	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689143	1/23/2017	20.03	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan

016689144	1/23/2017	20.91	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689145	1/23/2017	22.36	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689146	1/23/2017	22.11	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689147	1/23/2017	22.36	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689148	1/23/2017	22.79	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689149	1/23/2017	22.40	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689150	1/23/2017	23.99	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689151	1/23/2017	21.83	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689152	1/23/2017	20.37	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan

016689153	1/24/2017	26.02	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689154	1/24/2017	21.89	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689155	1/24/2017	20.35	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689156	1/24/2017	23.49	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689157	1/24/2017	22.33	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689158	1/24/2017	21.86	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689159	1/24/2017	22.26	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689160	1/24/2017	23.19	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689161	1/24/2017	23.30	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan

016689162	1/24/2017	22.68	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689163	1/25/2017	22.00	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689164	1/25/2017	22.00	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689165	1/25/2017	24.00	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689166	1/25/2017	22.00	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689167	1/25/2017	23.00	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan
016689168	1/25/2017	22.00	Tons	Area 5 - High/Low Concentration Blend	NORM/	Direct load into Dump Trailer to Landfill	US Ecology- Michigan

Total 3813.74 Tons